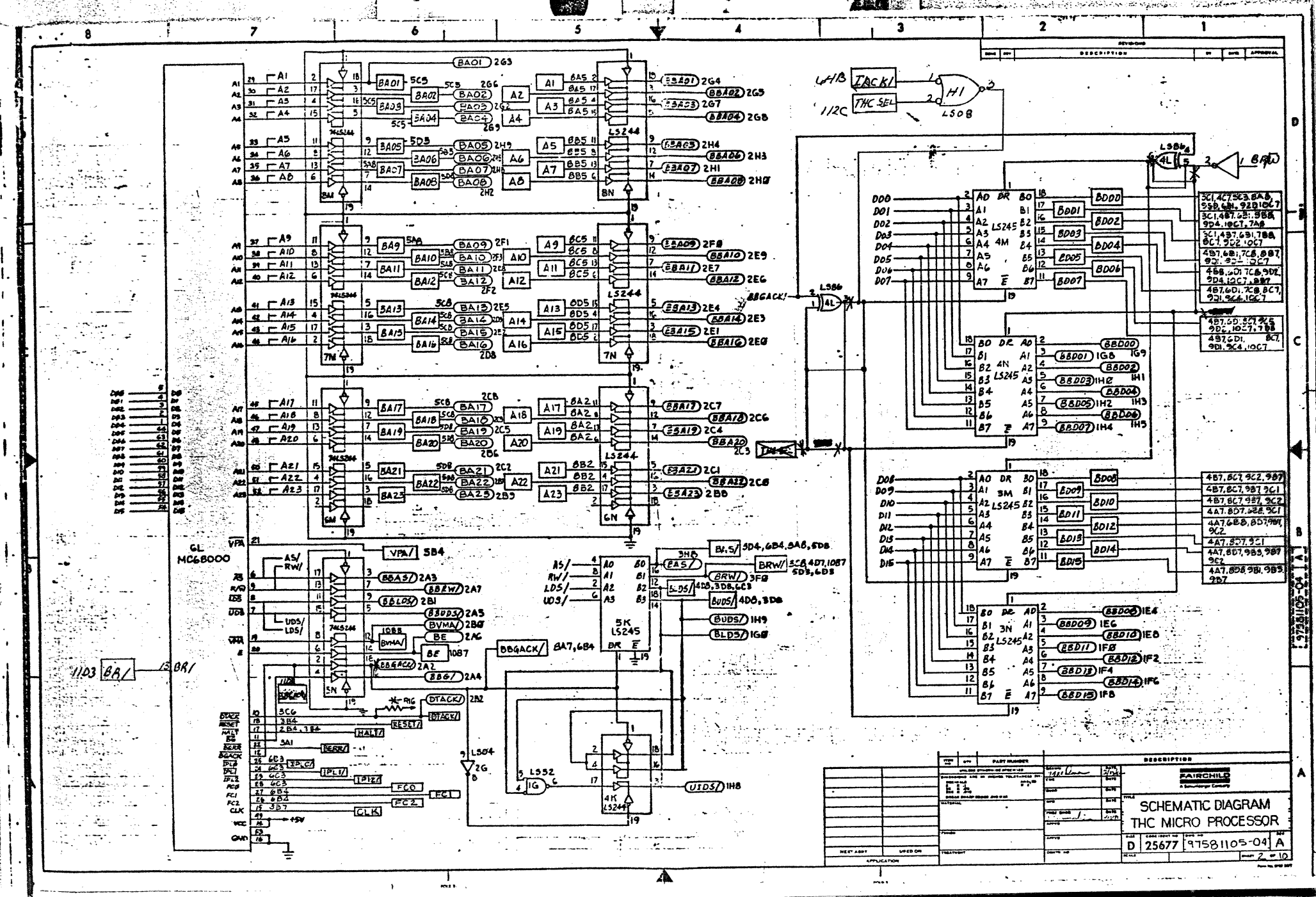
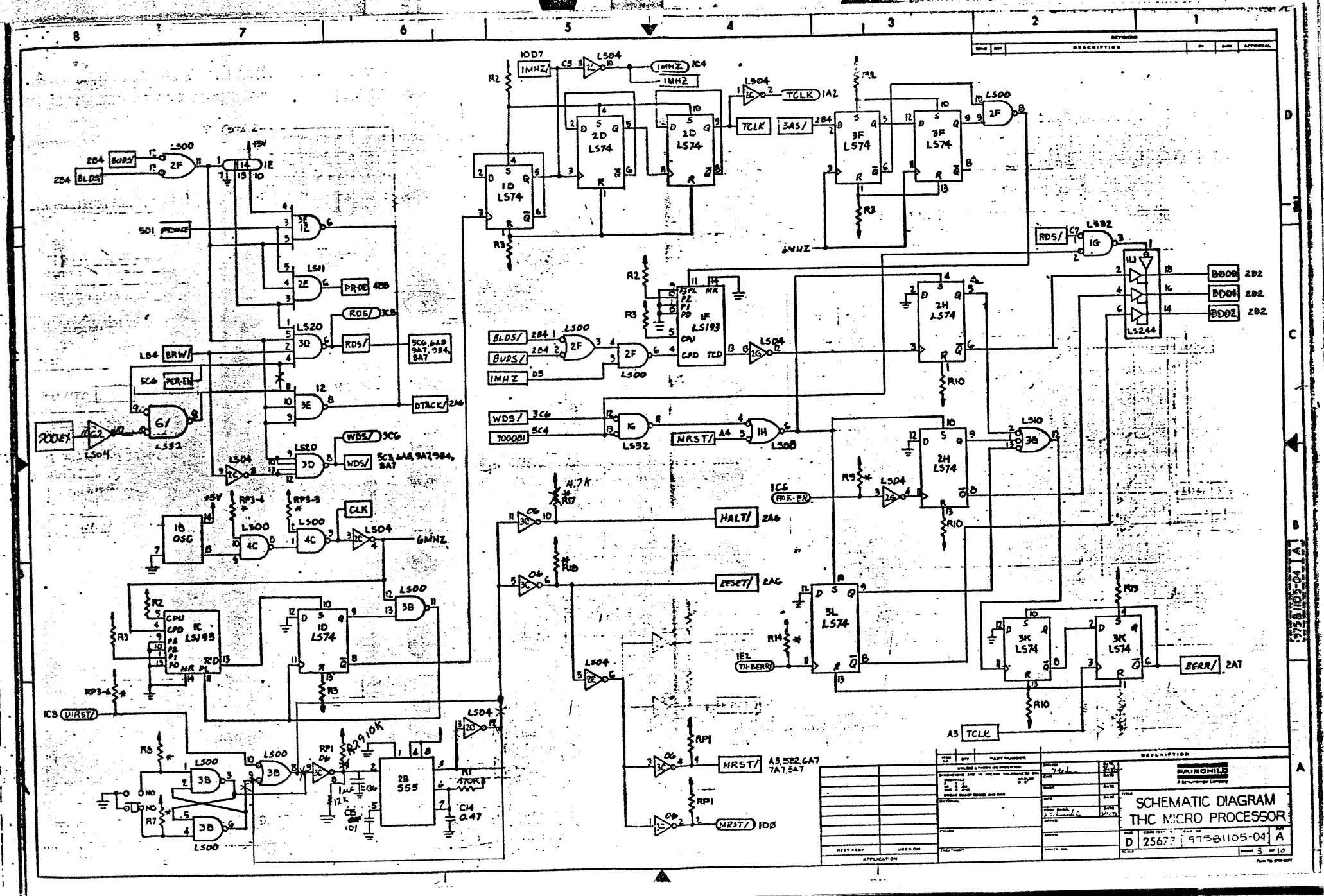
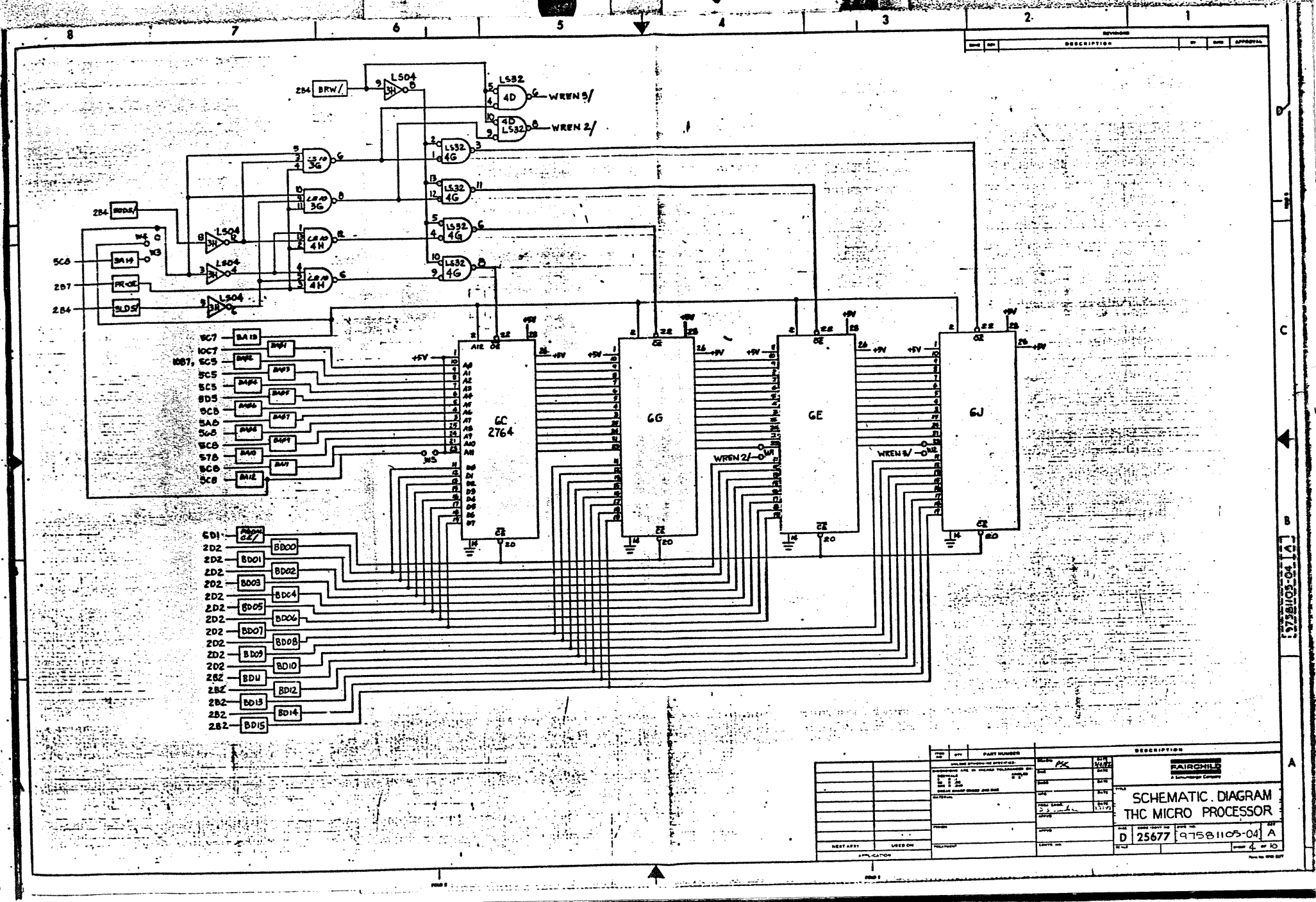


GL
MC68000
LS244
LS245
LS08
LS86
LS04
LS32
4K
5K
4M
4N
3M
3N
FAIRCHILD
SCHEMATIC DIAGRAM
THC MICRO PROCESSOR
D
25677
97581105-04
A
2 of 10



SCHEMATIC DIAGRAM
THC MICRO PROCESSOR
FAIRCHILD
D
25677
97581105-04
A
SHEET 3 OF 10



LS04
3H
LS32
4D
WREN 3/
WREN 2/
LS32
4G
LS10
3G
LS10
4H
BRW/
BDDS/
BA14
PR-OE
SLDS/
6C
2764
6G
6E
6J
+5V
WREN 2/
WREN 3/
BD00
BD01
BD02
BD03
BD04
BD05
BD06
BD07
BD08
BD09
BD10
BD11
BD12
BD13
BD14
BD15
FAIRCHILD
SCHEMATIC. DIAGRAM
THC MICRO PROCESSOR
D
25677
97581105-04
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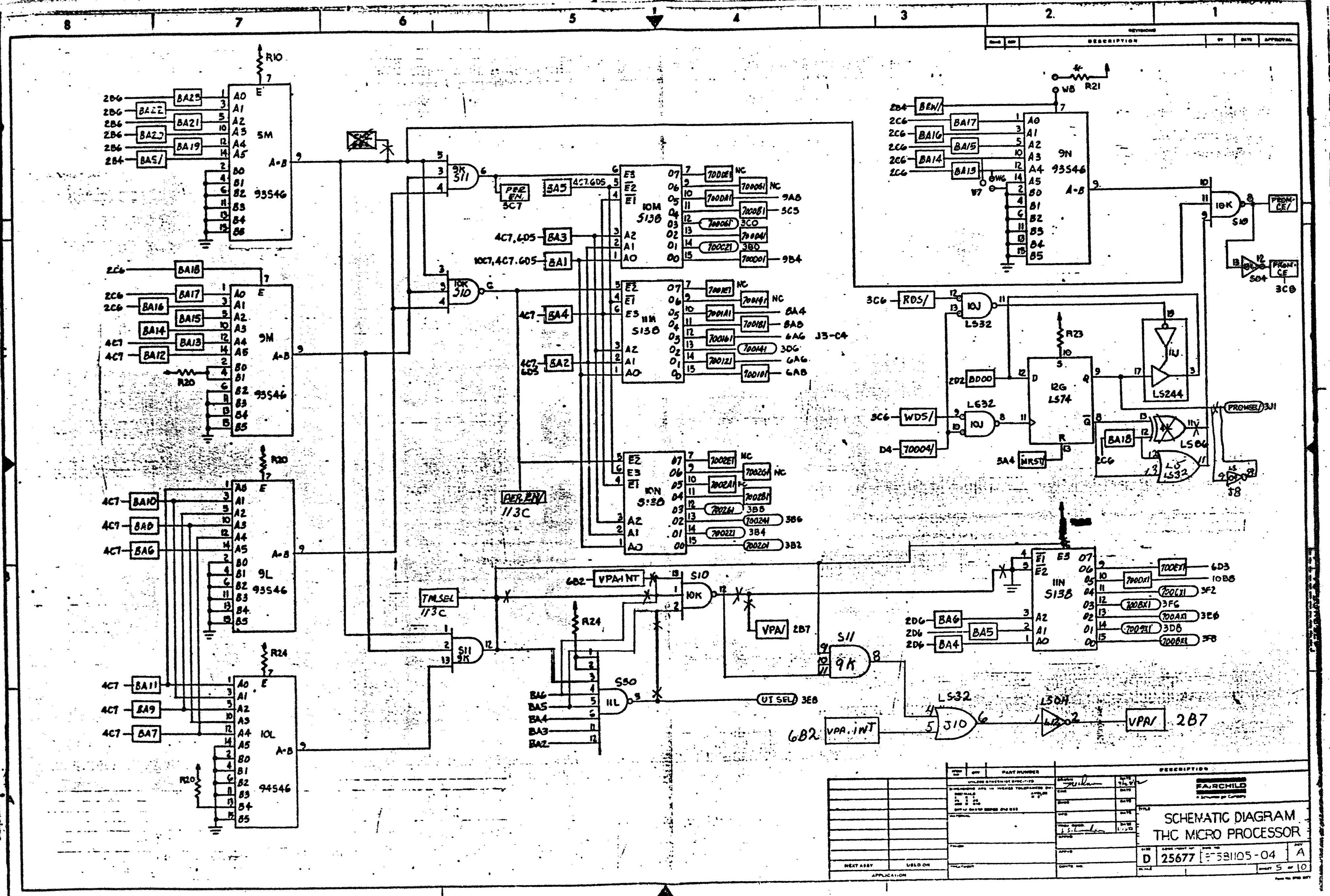
FAIRCHILD
SCHEMATIC DIAGRAM
THC MICRO PROCESSOR
D 25677 58105-04 A
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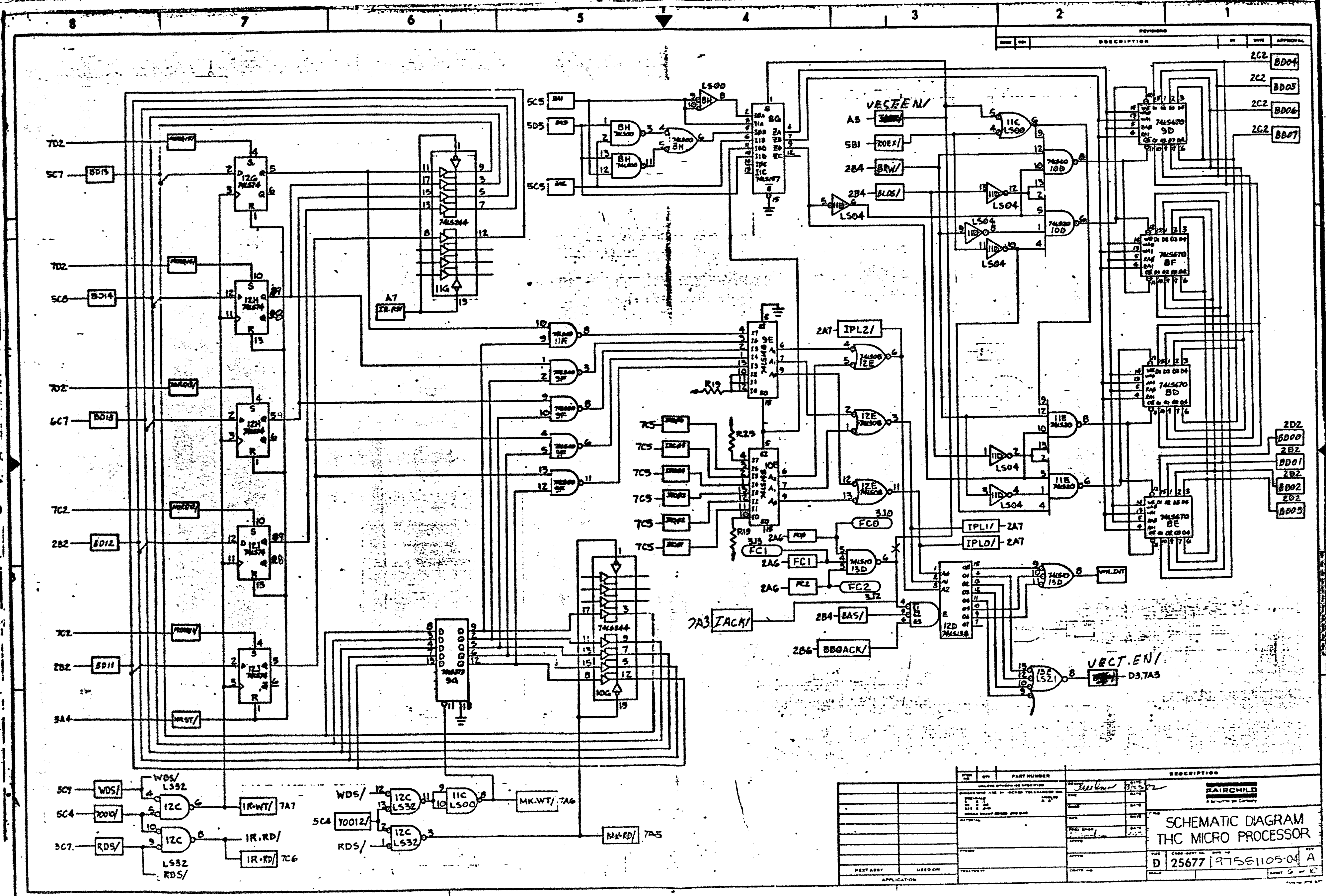
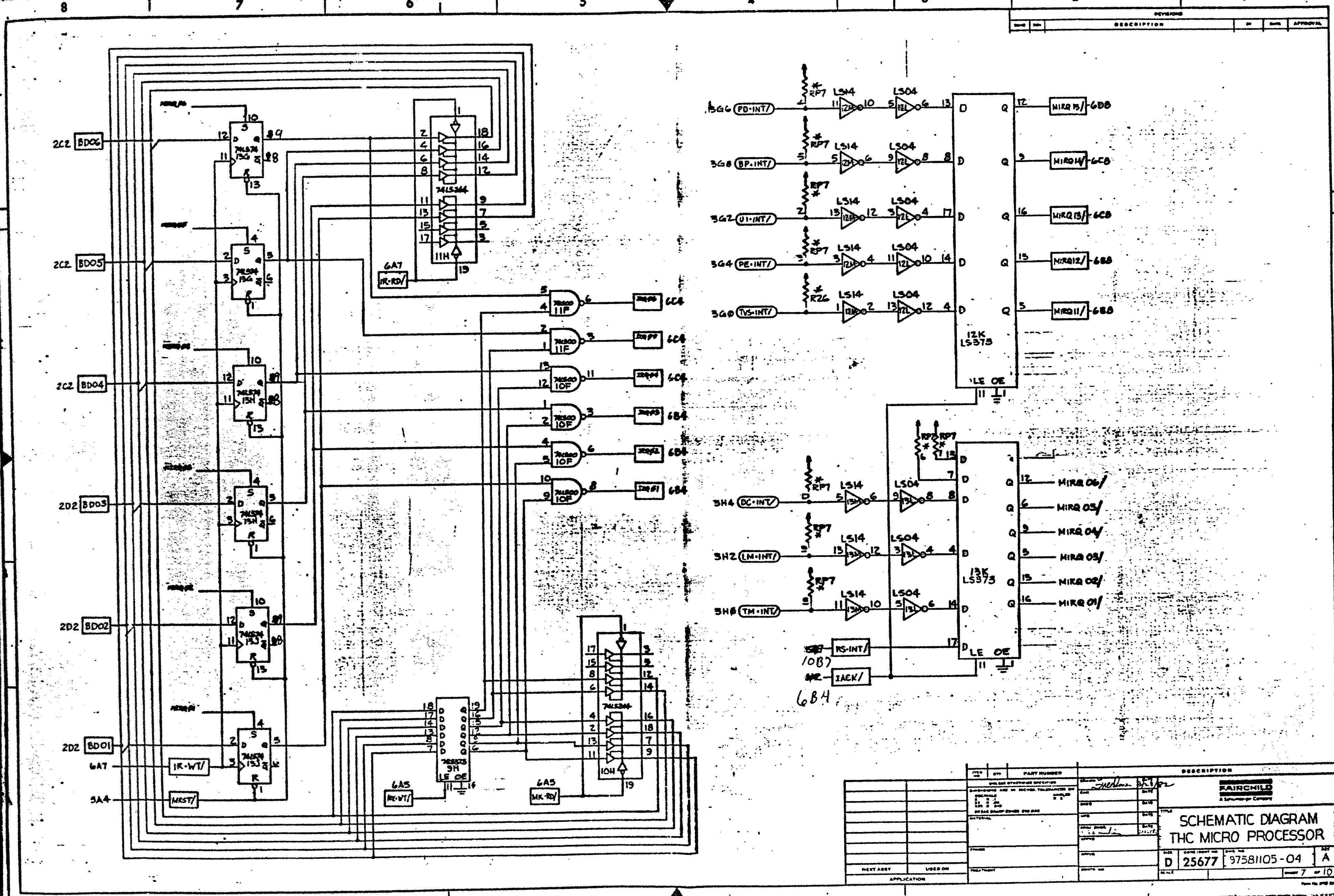
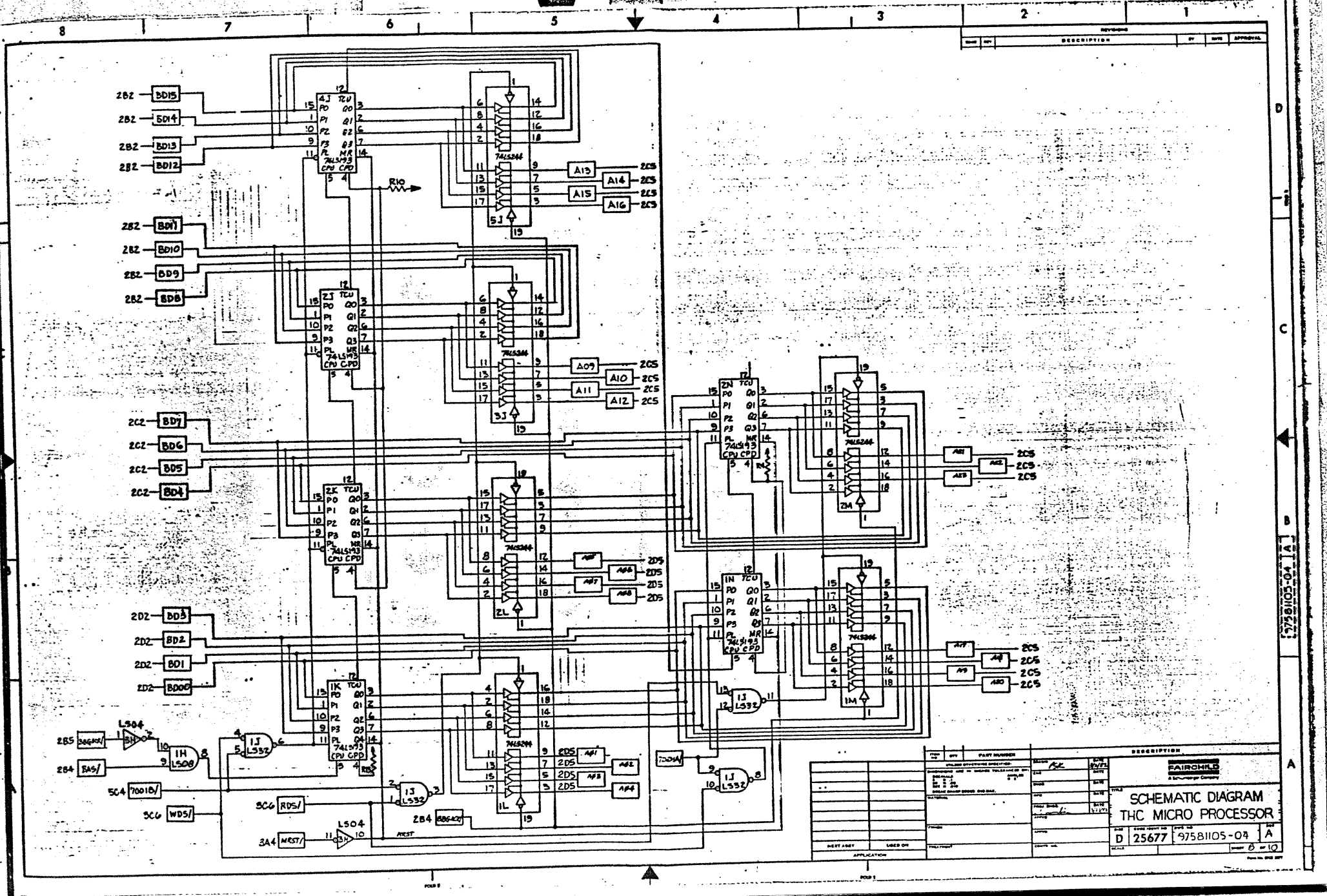

SCHEMATIC DIAGRAM
THC MICRO PROCESSOR
FAIRCHILD
D 25677 97561105-04 A
VECT.EN/
74LS244
74LS670
74LS374
74LS138
74LS74
IPL2/
IPL1/
IPL0/
FC0
FC1
FC2
IACK/
BAS/
BBGACK/
MK.WT/
MK.RD/
IR.WT/
IR.RD/
WDS/
RDS/
BD00
BD01
BD02
BD03
BD04
BD05
BD06
BD07
BD11
BD12
BD13
BD14
BD15
BRW/
BLDS/
R19
R25



8
7
6
5
4
3
2
1
2C2 BD06
2C2 BD05
2C2 BD04
2D2 BD03
2D2 BD02
2D2 BD01
6A7 IR-WT/
5A4 MRST/
6A7 IR-RD/
74LS74
74LS244
11H
10H
74LS373
9H
6A5 MK-WT/
6A5 MK-RD/
74LS00
11F
10F
6C4
6B4
3G6 PD-INT/
3G8 BP-INT/
3G2 UI-INT/
3G4 PE-INT/
3G0 TVS-INT/
3H4 DC-INT/
3H2 LM-INT/
3H8 TM-INT/
RS-INT/
10B7
IACK/
6B4
RP7
R26
LS14
LS04
12K LS375
13K LS375
LE OE
MIRQ 15/ 6D8
MIRQ 14/ 6C8
MIRQ 13/ 6C8
MIRQ 12/ 6B8
MIRQ 11/ 6B8
MIRQ 06/
MIRQ 05/
MIRQ 04/
MIRQ 03/
MIRQ 02/
MIRQ 01/
FAIRCHILD
SCHEMATIC DIAGRAM
THC MICRO PROCESSOR
D 25677 97581105-04 A
SHEET 7 OF 10



SCHEMATIC DIAGRAM
THC MICRO PROCESSOR
FAIRCHILD
A Schlumberger Company
D
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A
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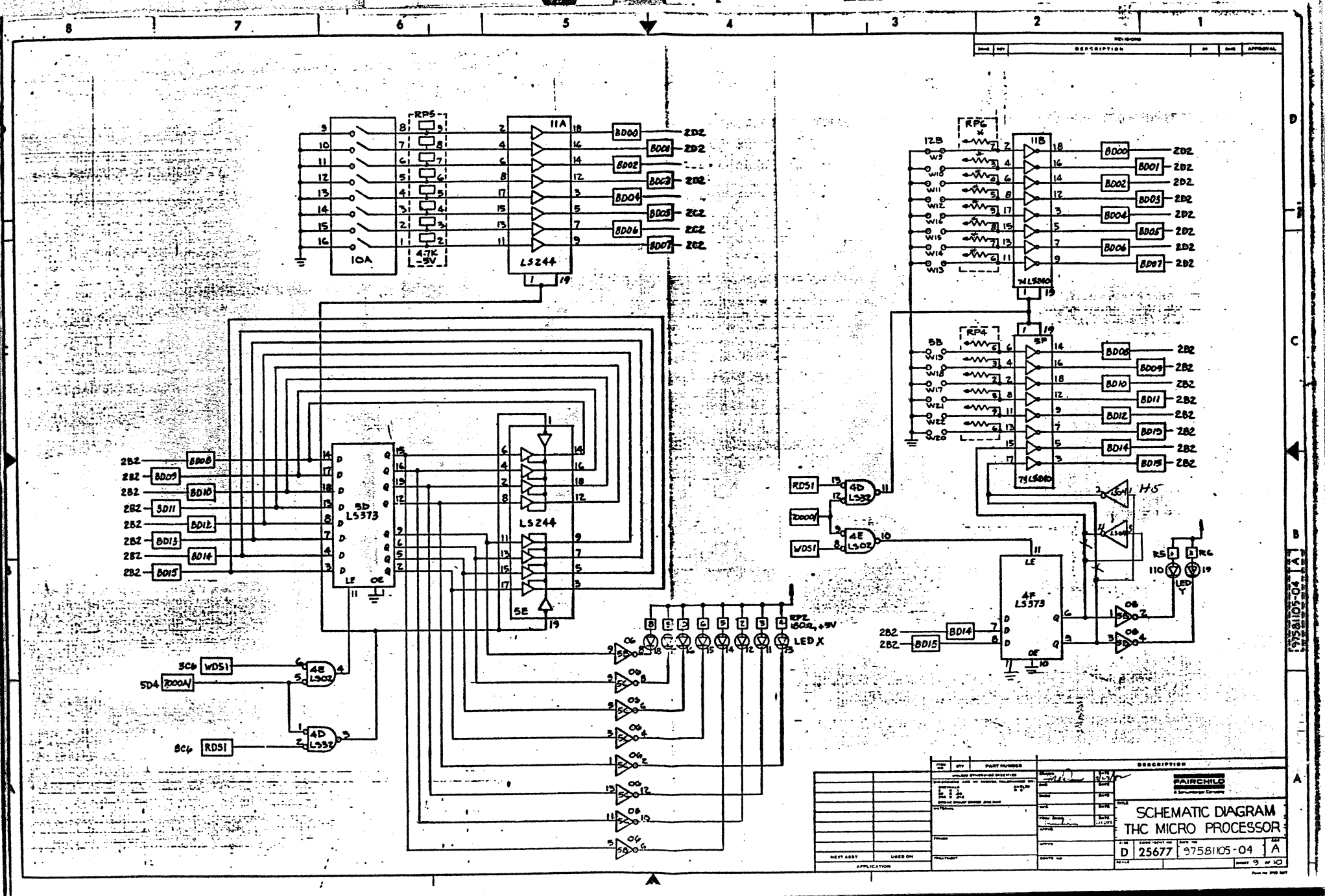
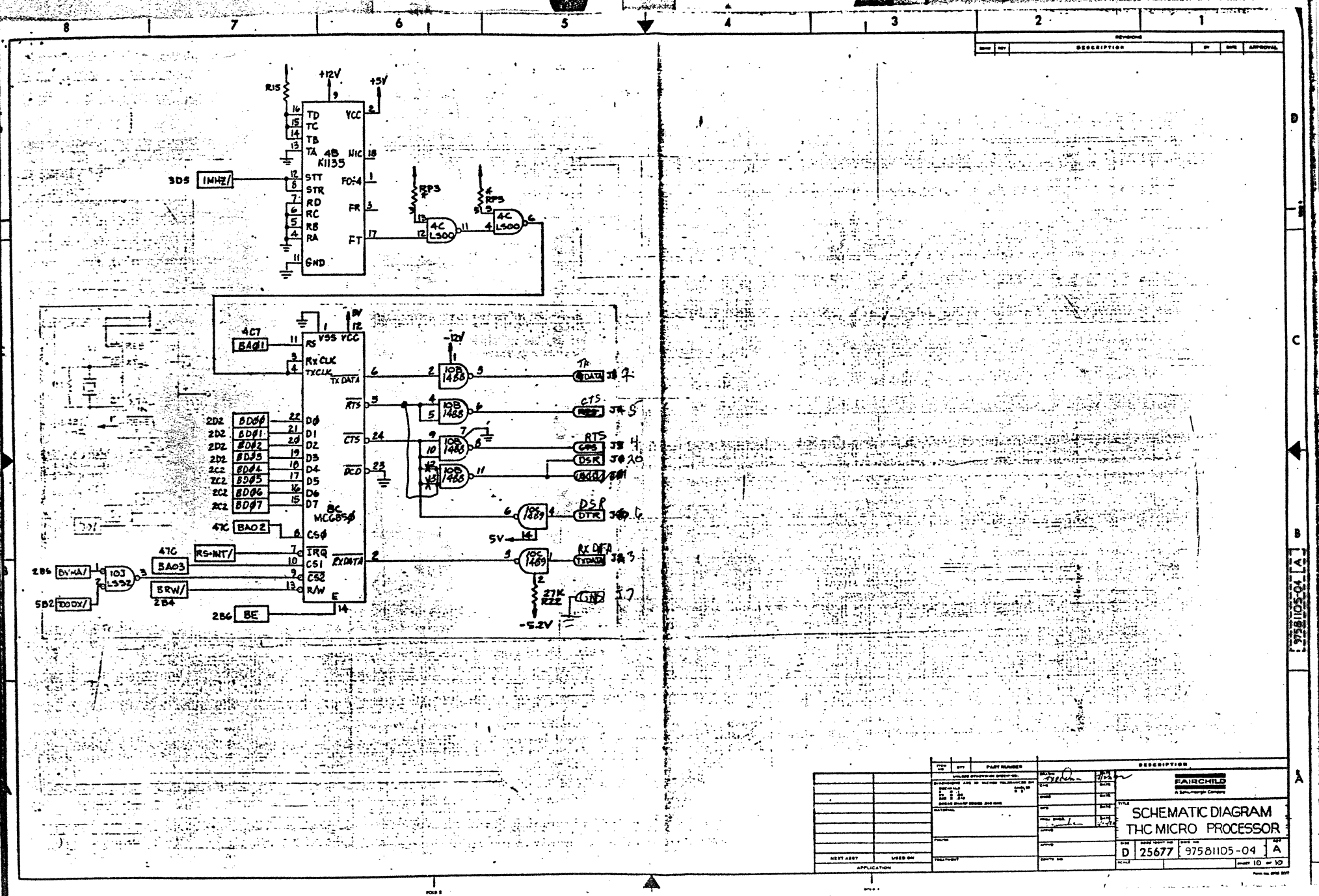
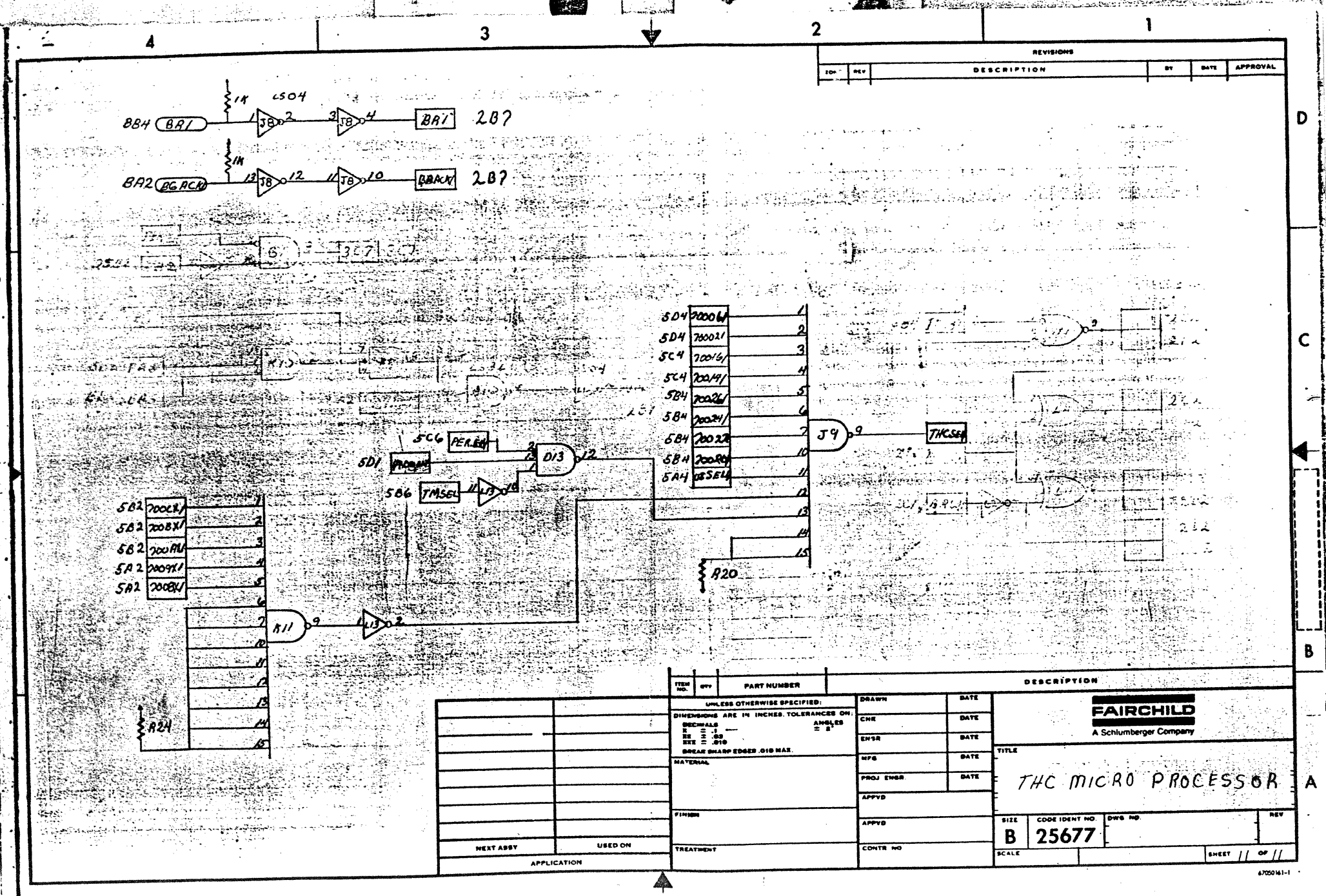
9758105-04 A
74LS193
74LS244
74LS08
74LS32
74LS04
R10



SCHEMATIC DIAGRAM
THC MICRO PROCESSOR
FAIRCHILD
A Schlumberger Company
D 25677 97581105-04 A
SHEET 9 OF 10
10A
RP5
4.7K -5V
11A
LS244
5D LS373
5E
RP6
12B
11B
74LS240
RP4
5B
5F
73LS240
4D LS32
4E LS02
4F LS373
RP2 180Ω, +5V
LED X
LED Y
H5
RDS1
WDS1
7000A
2D2
2C2
2B2
BD00
BD01
BD02
BD03
BD04
BD05
BD06
BD07
BD08
BD09
BD10
BD11
BD12
BD13
BD14
BD15



+12V
+5V
R15
TD
TC
TB
TA
4B
K1135
VCC
NIC
STT
STR
RD
RC
RB
RA
GND
FO÷4
FR
FT
3D5
1MHZ/
RP3
4C
LS00
4C7
BA01
VSS
VCC
RS
RxCLK
TXCLK
TX DATA
RTS
CTS
DCD
D0
D1
D2
D3
D4
D5
D6
D7
BC
MC6850
CS0
IRQ
CS1
CS2
R/W
E
RXDATA
2D2
BD00
BD01
BD02
BD03
BD04
BD05
BD06
BD07
2C2
4C7
BA02
4C6
RS-INT/
BA03
BRW/
2B4
2B6
BVMA/
5B2
DODX/
10J
LS32
2B6
BE
-12V
10B
1488
10C
1489
TX DATA
CTS
RTS
DSR
DTR
RX DATA
5V
27K
R22
-5.2V
9758 1105-04 A
FAIRCHILD
A Schlumberger Company
SCHEMATIC DIAGRAM
THC MICRO PROCESSOR
D
25677
97581105-04
A
SHEET 10 OF 10



REVISIONS
ZONE
REV
DESCRIPTION
BY
DATE
APPROVAL
BB4 BR1
1K
LS04
J8
BR1
2B7
BA2 BGACK
BBACK
2B7
5D4 700061
5D4 700021
5C4 700161
5C4 700191
5B4 700261
5B4 700241
5B4 700221
5B4 700201
5A4 USSEL
J9
THCSEL
5C6 PER.EN
5D1
D13
5B6 TMSEL
L13
5B2 700CX1
5B2 700BX1
5B2 700AX1
5A2 7009X1
5A2 7008X1
K11
R20
R24
ITEM NO.
QTY
PART NUMBER
DESCRIPTION
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES. TOLERANCES ON:
DECIMALS
X ± .1
XX ± .03
XXX ± .010
ANGLES ± 2°
BREAK SHARP EDGES .010 MAX.
MATERIAL
FINISH
TREATMENT
DRAWN
CHK
ENGR
MFG
PROJ ENGR
APPVD
APPVD
CONTR NO
DATE
FAIRCHILD
A Schlumberger Company
TITLE
THC MICRO PROCESSOR
SIZE
B
CODE IDENT NO.
25677
DWG NO.
REV
SCALE
SHEET 11 OF 11
NEXT ASSY
USED ON
APPLICATION
67050161-1